

REMARKS/ARGUMENTS

Reconsideration of the present application is hereby requested in view of the above amendments and following remarks.

Claims 1-6 are rejected under 35 U.S.C. 112 as being indefinite. With respect to claim 1, it is stated that it is unclear what is meant by the glasses having an overlapping "glass" range. It is assumed that applicants mean overlapping "flow: range as recited in the claims. The Examiner is respectfully referred to page 4, beginning line 16, bridging page 5, including lines 1-25 of the specification where it is specifically stated that the flow ranges of the glasses overlap. It is submitted that this disclosure adequately supports the current claim language which literally means that there must some overlap between the respective flow ranges of the glasses in question.

In view of the above, it is respectfully requested that the rejection on indefiniteness with regard to claims 1-6 be reconsidered and withdrawn.

Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Howard 4,428,761. It is acknowledged that Howard does not disclose the temperature and flow ranges. The rejection states that it is inherent that the cladding and the core would have to have overlapping flow ranges since they both must be drawn to form a fiber simultaneously. Therefore the flow ranges of each would overlap at least at the actual draw temperature. The rejection concludes that since the Howard process works and does the same thing that applicants does, Howard inherently has to meet the current flow limitations. The rejection concludes that claims 2-4 are clearly met.

It is respectfully requested that the rejections over Howard be reconsidered and withdrawn for the following reasons.

The reference to Howard neither teaches nor suggests anything remotely resembling the present invention. Howard is directed to a method of making a birefringent, polarization preserving optical fiber and includes depositing a photo-resist layer and patterning said layer so as to form openings therein which are arranged circumferentially and which expose the under laying portions of the

cladding layer. The process involves removing exposed portions of the cladding layer and removing the photo-resist layer thereby leaving on the interior surface a circumferentially patterned cladding layer which induces unsymmetric stress and birefringent in the fiber upon subsequent collapse and drawing. It can be seen from the claims, disclosure and drawings of Howard, that Howard is not directed to nor does Howard teach a final product whereby the fiber is formed having a substantially continuous film of light interactive material formed between the core and cladding throughout the entire length of the fiber as presently claimed in both of applicant's independent claims 1 and 6. For these reasons it is requested that the rejection over Howard be reconsidered and withdrawn.

Claims 1-3 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Krol et al U.S. 5,838,868. The rejection states the Krol et al does everything that applicants do and gets the same results, and therefore the temperature limitations are inherently met.

It is noted that the specification of Krol et al does not provide any specific process parameters whereby the structure of the present invention may be obtained. For example, Krol et al does not discuss or teach glasses having an overlapping flow range, wherein the coating material must have a flow point which lies below the flow range of the glasses, and where the flow range is in a temperature range of between about 600-1500°C. Furthermore, Krol et al discloses certain semiconductors which have melting temperatures which are unsuitable, and would not operate in the range of 600-1500°C. It is therefore submitted that Krol et al does not appreciate or suggest the present invention.

Both independent claims 1 and 6 have been amended to state that the fiber resulting from the present invention is suitable to affect amplification, with both independent claims reciting that the flow range is in the temperature range of about 600-1500°C. It is submitted that the Krol et al reference does not appreciate this concept, and therefore is requested that the rejection over Krol et al be reconsidered and withdrawn.

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In view of the above it is respectfully requested that the above rejections be reconsidered and withdrawn, and the instant application passed to issue at an early date.

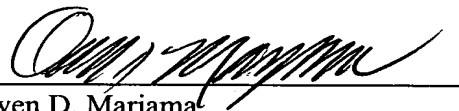
The allowance of claim 5 is noted and appreciation and the rewriting of claim 5 will be held in abeyance until an indication of allowance of at least one independent claim.

If the Examiner wishes to expedite disposition of the above-captioned patent application, he is invited to contact Applicant's representative at the telephone number below.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-0289.

Respectfully submitted,

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